CLAIMS

We claim:

1.   An apparatus, comprising:

a Customer Premise Equipment (CPE) application server component that

5   provides one or more services to a telephony device on a call through employment of

one or more data streams associated with the call.

2.   The apparatus of claim 1, wherein the CPE application server

component establishes the one or more data streams with a user-related application

server component;

10   wherein the CPE application server component provides the one or more

services to the user-related application server component through employment of the

one or more data streams.

3.   The apparatus of claim 2, wherein the user-related application server

component establishes one or more web portals with the telephony device;

15   wherein the CPE application sever component and the user-related application

server component provide the one or more services to the telephony device through

employment of the one or more web portals.

4.   The apparatus of claim 3, wherein the CPE application server

component and the user-related application server component provide one or more

20   interfaces associated with the one or more services through employment of the one or

more web portals.

5.   The apparatus of claim 3, wherein the CPE application server

component and the telephony device establish the call;

wherein the CPE application server component provides one or more interfaces

to allow the telephony device to initiate a request to the CPE application server

5   component;

wherein in response to the request from the telephony device to the CPE

application server component, the CPE application server component alters the call.

6.   The apparatus of claim 5, wherein the call comprises a voice menu,

wherein the CPE application server component updates the voice menu based on the

10   request.

7.   The apparatus of claim 6, wherein a plurality of voice menus comprise

the voice menu, wherein the CPE application server component provides a first voice

menu of the plurality of voice menus to the telephony device;

wherein in response to the request from the telephony device to the CPE

15   application server component, the CPE application server component halts the first

voice menu and provides a second voice menu of the plurality of voice menus based

on the employment of the one or more services.

8.   The apparatus of claim 5, wherein in response to the request from the

telephony device to the CPE application server component, the CPE application server

component routes the call.

9.   The apparatus of claim 5, wherein the CPE application server

5   component provides a first one or more services to the telephony device;

wherein in response to the request from the telephony device to the CPE

application server component, the CPE application server component provides a

second one or more services to the telephony device.

10.   The apparatus of claim 4, wherein the one or more interfaces comprise

10   one or more eXtended Markup Language (XML) interfaces;

wherein the CPE application server component communicates with the user-

related application server component to provide the one or more eXtended Markup

Language interfaces.

11   The apparatus of claim 2, wherein the CPE application server

15   component requests of the user-related application server component to establish the

one or more web portals through employment of the HyperText Transport Protocol

(HTTP).

12.   The apparatus of claim 1, wherein the CPE application server

component comprises a first application server component, further comprising:

a second application server component;

wherein the first application server component and the telephony device

5   cooperate to establish the call;

wherein the first application server component and the second application

server component provide the one or more services to the telephony device through

employment of the one or more data streams.

13.   The apparatus of claim 12, wherein the first application server

10   component provides one or more interfaces associated with the one or more services

that allow the telephony device to interact with the one or more services, wherein the

first application server component provides the one or more interfaces to the second

application server component through employment of the one or more data streams;

wherein the second application server component establishes one or more web

15   portals with the telephony device;

wherein the first application server component and the second application

server component provide the one or more interfaces through employment of the one

or more web portals.

14.   The apparatus of claim 13, wherein the first application server component associates the call with the one or more services, wherein the first application server component associates the one or more services with the one or more interfaces;

5   wherein the first application server component and the second application server component provide the one or more services that allow the telephony device to perform a request;

wherein in response to the request from the telephony device to the second application server component, the second application service component and the first

10   application server component update the one or more services.

15.   The apparatus of claim 12, wherein the first application server component comprises a voice mail system, wherein the voice mail system associates the call with a plurality of voice menus, wherein the voice mail system and the telephony device cooperate to establish a voice mail call;

15   wherein the voice mail system and the second application server component cooperate to provide a first voice menu of the plurality of voice menus associated with the call to the telephony device;

wherein the voice mail system and the second application server component provide one or more interfaces to allow the telephony device to perform a selection of

20   a second voice menu of the plurality of voice menus;

wherein in response to the selection of the second voice menu from the telephony device to the voice mail system, the voice mail system updates the voice mail call to play the second voice menu to the telephony device.

16.   The apparatus of claim 12, wherein the first application server

component comprises a interactive voice response system, wherein the interactive

voice response system associates the call with a plurality of voice menus, wherein the

interactive voice response system and the telephony device cooperate to establish an

5   interactive voice response call;

wherein the interactive voice response system and the second application server

component provide a first voice menu of the plurality of voice menus associated with

the interactive voice response call to the telephony device;

wherein the interactive voice response system and the second application server

10   component provide one or more interfaces to allow the telephony device to perform a

selection of a second voice menu of the plurality of voice menus;

wherein in response to the selection of the second voice menu from the

telephony device to the interactive voice response system, the interactive voice

response system routes the interactive voice response call.

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17.   A method, comprising the step of:

providing, by one or more CPEs, one or more services to a telephony device on

a call through employment of one or more data streams associated with the call.

18.   The method of claim 17, wherein the step of providing, by the one or

5   more portions of Customer Premise Equipment, the one or more services to the

telephony device on the call through employment of the one or more data streams

associated with the call comprises the steps of:

providing one or more interfaces associated with the one or more services to

the telephony device through employment of one or more web portals;

10   providing for a request of the one or more services through the one or more

interfaces; and

updating the call based upon the request of the one or more services through

the one or more interfaces.

19.   The method of claim 17, wherein the step of providing, by one or more

15   portions of Customer Premise Equipment, the one or more services to the telephony

device on the call through employment of the one or more data streams associated

with the call comprises the steps of:

providing for an employment of the one or more services through the one or

more interfaces; and

20   routing the call based upon the employment of the one or more services.

20.   An article, comprising:

one or more computer-readable signal-bearing media;

means in the one or more media for providing, by one or more CPEs, one or

more services to a telephony device on a call through employment of one or more data

5   streams associated with the call.

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